



# CITEL

## 1-pair DIN rail plug-in Data surge protector

### DLAWS1-06D3/R



- 1-pair Surge protection
- Pluggable protection module
- Optical fault indication
- Indirect shield connection
- Visual indicator in failsafe behaviour
- Indirect earthing
- Current circuit disconnection when module is unplugged
- Conforms to IEC 61643-21, VDE 0845-3-1 and UL497B



	<b>Electrical Characteristics</b>																																																																				
<p>G: 3-electrode gas tube Gb: 2-electrode gas tube PTC: Thermal resistor R: Resistor D: Clamping diode Vi: Indicator</p>	<table border="1"> <tr> <td>Network</td> <td></td> <td>RS422</td> </tr> <tr> <td>Nominal line voltage</td> <td>Un</td> <td>6 V</td> </tr> <tr> <td>Max. DC operating voltage</td> <td>Uc</td> <td>8 Vdc</td> </tr> <tr> <td>Max. frequency</td> <td>f max.</td> <td>&gt; 3 MHz</td> </tr> <tr> <td>Insertion loss</td> <td></td> <td>&lt; 1 dB</td> </tr> <tr> <td>Max. discharge current <i>max. withstand @ 8/20 μs by pole</i></td> <td>I<sub>max</sub></td> <td>20 kA</td> </tr> <tr> <td>Line inductance</td> <td></td> <td>No</td> </tr> <tr> <td>Protection mode(s)</td> <td></td> <td>Common/Differential mode</td> </tr> <tr> <td>Protection level <i>Following the test category C3 (IEC61643-21) - Line/Line</i></td> <td>Up</td> <td>20 V</td> </tr> <tr> <td>Impulse current <i>2 x 10/350 μs Test - D1 Category</i></td> <td>I<sub>imp</sub></td> <td>5 kA</td> </tr> <tr> <td>Nominal discharge current <i>C2 Category</i></td> <td>I<sub>n</sub></td> <td>5 kA</td> </tr> <tr> <td>Line/Line Nominal discharge current <i>C2 Category</i></td> <td>I<sub>n L/L</sub></td> <td>5 kA</td> </tr> <tr> <td>Nominal Discharge Current, X-C (Line/Earth) <i>8/20 μs Test x 10 - C2 Category</i></td> <td>I<sub>n L/PE</sub></td> <td>5 kA</td> </tr> <tr> <td>Line resistance</td> <td></td> <td>&lt; 4.7 Ohm</td> </tr> </table>		Network		RS422	Nominal line voltage	Un	6 V	Max. DC operating voltage	Uc	8 Vdc	Max. frequency	f max.	> 3 MHz	Insertion loss		< 1 dB	Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I <sub>max</sub>	20 kA	Line inductance		No	Protection mode(s)		Common/Differential mode	Protection level <i>Following the test category C3 (IEC61643-21) - Line/Line</i>	Up	20 V	Impulse current <i>2 x 10/350 μs Test - D1 Category</i>	I <sub>imp</sub>	5 kA	Nominal discharge current <i>C2 Category</i>	I <sub>n</sub>	5 kA	Line/Line Nominal discharge current <i>C2 Category</i>	I <sub>n L/L</sub>	5 kA	Nominal Discharge Current, X-C (Line/Earth) <i>8/20 μs Test x 10 - C2 Category</i>	I <sub>n L/PE</sub>	5 kA	Line resistance		< 4.7 Ohm																									
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